National Aeronautics and
Space Administration

# Building the Future of Human Space Flight at

# MICHOUD
## ASSEMBLY FACILITY

## Michoud Economic Impact

The Michoud Assembly Facility, managed by NASA's Marshall Space Flight Center in Huntsville, Alabama, is essential to NASA's human space exploration mission. It is home to one of the world's largest indoor manufacturing facilities, has 900,000 square feet of office space, a deep water port used for transportation, and its own dedicated rail head. Michoud's importance to Louisiana and the nation goes beyond NASA, however. Michoud's multi-tenant facility houses multiple government agencies and private companies.

### Nationwide Impact

- Michoud supports more than 5,000 jobs nationally, yielding over $300 million in labor income and a total economic output of over $800 million
- NASA contracts a wide variety of services at Michoud for over $73 million, with other government agencies combining for another $100 million
- Generates $104 million in Federal, State, & Local tax revenues

### Louisiana/Mississippi Impact

- Approximately 3,500 employees on-site at Michoud every day
- $342 million in economic output
- Over $99 million in wages and benefits for the regional economy

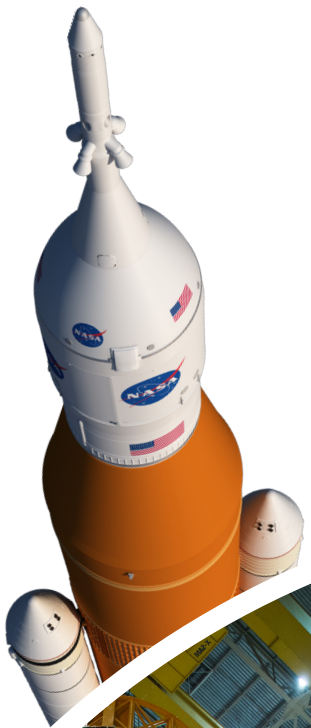
## Building The Space Launch System

- Michoud has a 50-year history of manufacturing large vehicles and components for our nation's space program, from the Apollo Program to the Shuttle and International Space Station, to today's Space Launch System (SLS). Michoud is the main manufacturing and assembly site for SLS, which will take us to Mars and the furthest outreaches of our solar system.
- Boeing is building the core stage and upper stage of the SLS. Lockheed Martin will build the Orion crew vehicle, and has completed the Orion test article, which is expected to launch as part of Exploration Mission 1 in 2018.

## A Unique Multi-tenant Facility

Michoud is a multi-tenant facility with commercial and government partners that are paving the way for a more cost-effective way of operating government-owned facilities. Michoud has approximately 20 tenants, including the U.S. Coast Guard, U.S. Department of Agriculture, Textron, Big Easy Studios and Blade Dynamics, which added almost 600% more manufacturing space between March 2015 and July 2016.

- 50% reduction in operating cost since Space Shuttle era
- Today over 17% of operating costs funded by non-NASA tenants
- Increased commercial revenue by nearly 35% since 2010
- 982,000 sq. ft. available to leverage for new tenants



## National Center for Advanced Manufacturing (NCAM)

NCAM is a partnership between NASA, Louisiana, and the University of New Orleans, providing research, advanced manufacturing technology and material evaluation techniques for use in aerospace and commercial markets. To date, NASA and the State of Louisiana have invested more than $62 million to develop a uniquely skilled workforce, educational outreach programs, and a suite of specialized welding, composite fiber placement and non-destructive evaluation and inspection equipment.


**National Aeronautics and Space Administration**

**George C. Marshall Space Flight Center**
Huntsville, AL 35812
www.nasa.gov/marshall

**www.nasa.gov**



FL-2016-08-95-MSFC
G-226214